

U.S. Patent Application Serial No. 10/083,605
Amendment dated March 17, 2004
Reply to OA of December 17, 2003

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 Claim 1 (Currently Amended): A shielded wire processing apparatus braid
2 folding unit of a shielded wire, comprising:
3 a wire carrying unit;
4 a braid folding unit, comprising:
5 a primary expanding means to beat a braid exposed on an inner cover of
6 [[the]] shielded wire so as to outwardly expand the braid;
7 an expanding pipe to enter an inside of the braid along the inner cover so as
8 to further outwardly expand the braid; and
9 a braid folding member to advance along an outside surface of the expanding
10 pipe so as to push the braid in an axial direction of the shielded wire and to fold
11 back the braid; and a shield pipe fitted on the folded braid to secure the folded braid,
12 wherein the primary expanding means has a pair of openable-and-closable
13 expanding teeth, a pair of sliding members fixing the respective expanding teeth, and
14 a driving means to open and close the pair of sliding members in opposite wire

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15 lateral directions; and

16 a shielding pipe inserting unit fitting a shield pipe on the folded braid to secure the
17 folded braid.

18 wherein the wire carrying unit carries the shielded wire from the braid folding unit to
19 the shielding pipe inserting unit.

Claim 2 (Canceled)

1 Claim 3 (Currently Amended): A braid folding method of a shielded wire,

2 comprising the steps of:

3 beating a braid exposed on an inner cover of the shielded wire by a primary

4 expanding means so as to outwardly expand the braid;

5 entering an expanding pipe into an inside of the braid along the inner cover so as to

6 further outwardly expand the braid by an end sloping portion of the expanding pipe;

7 advancing a braid folding member along an outside surface of the expanding pipe so

8 as to push the braid in an axial direction of the shielded wire and to fold back the braid;

9 and

10 supporting an end portion of the shielded wire by a supporting member;

11 pushing the supporting member along a guide shaft in a wire longitudinal direction

12 and fitting a shield pipe on the folded braid so as to secure the folded braid, the pushing

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13 and fitting being performed by axial movement of a parts transferring portion, wherein
14 the primary expanding means has a pair of openable-and-closable expanding teeth, a
15 pair of sliding members fixing the respective expanding teeth, and a driving means to open
16 and close the pair of sliding members in opposite wire lateral directions.